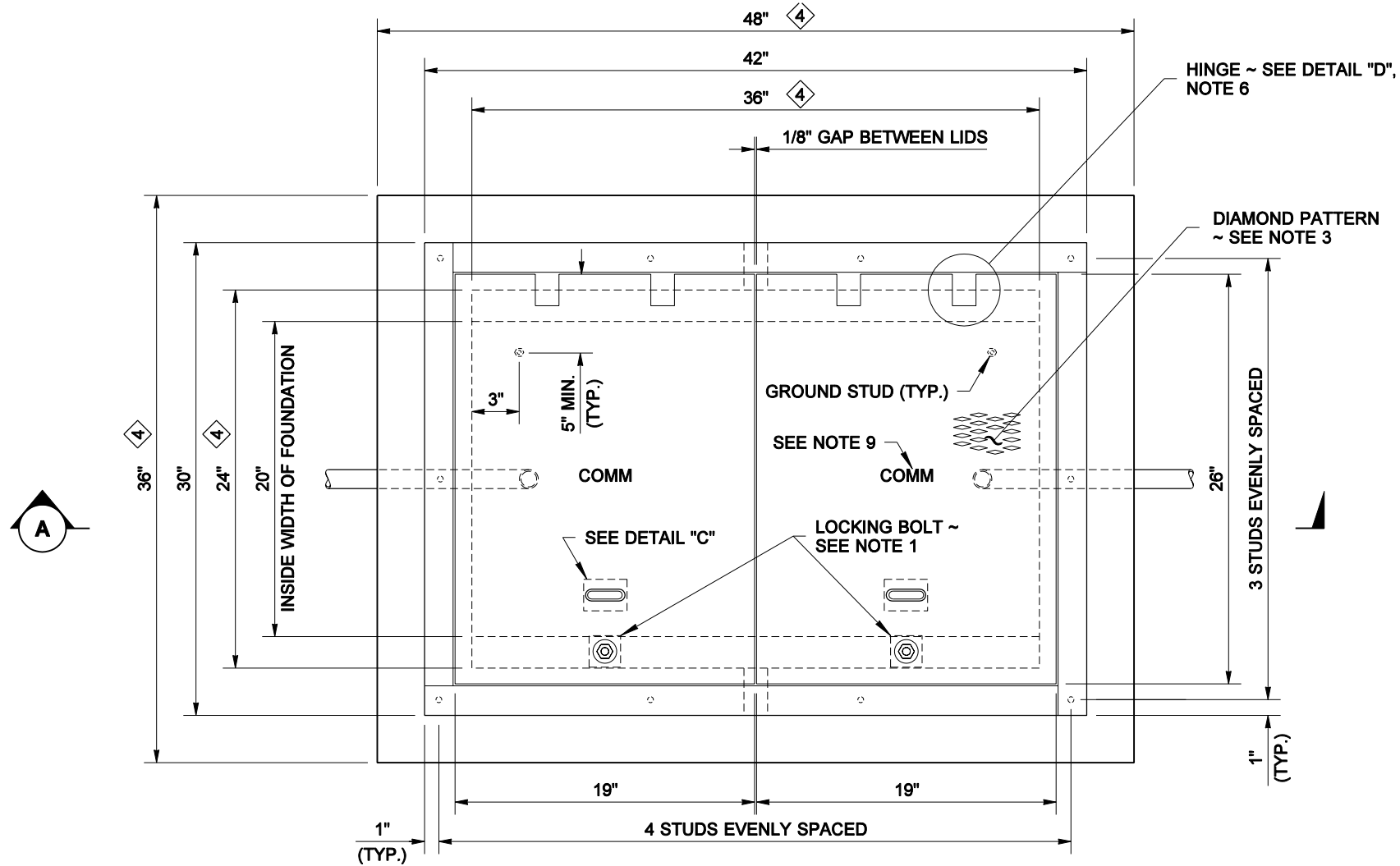
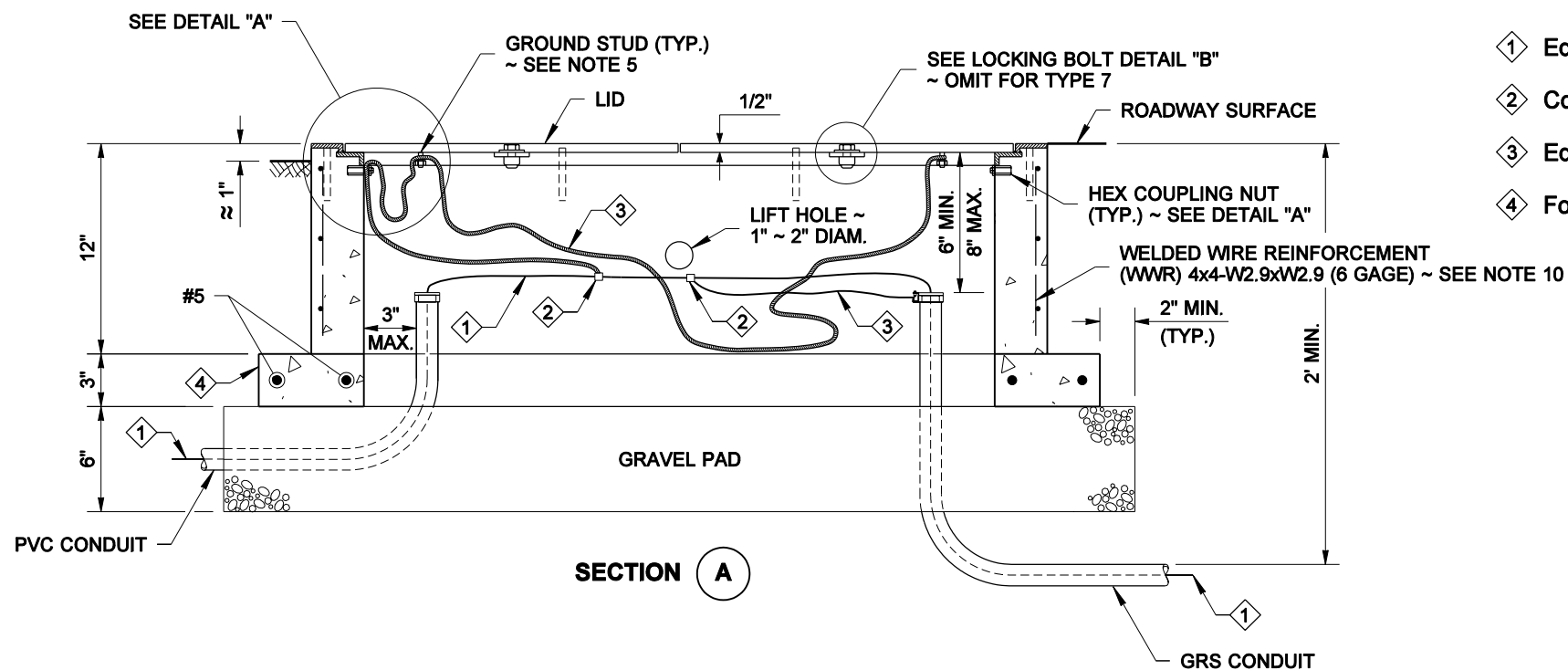


NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.



NOTES

1. Junction boxes type 7 and type 8 are identical except for the addition of locking bolts on the type 8.
2. All box dimensions are approximate. Exact configurations vary among manufacturers.
3. All lid thicknesses are minimum. The diamond pattern shall be 3/32" minimum thick.
4. Lid support members shall be 3/16" min. thick steel C, L, or T shape, welded to the frame. Exact configurations vary among manufacturers.
5. A 1/4-20NC x 3/4" S.S. ground stud shall be welded to the bottom of each lid; include S.S. nut and flat washer.
6. The hinges shall allow the lids to open 180°.
7. Bolts and nuts shall be liberally coated with anti-seize compound.
8. Connect an equipment bonding jumper to steel conduit bushing for GRS conduit; connect to equipment grounding conductor for PVC conduit. As an alternative to the ground stud connection, the equipment bonding jumper shall be attached to the front face of the hinge pocket with a 5/16-20NC x 3/4" S.S. bolt, nut, and flat washer. Equipment Bonding Jumper shall be #8 min. x 4' of tinned braided copper.
9. The System Identification letters shall be 1/8" line thickness formed by engraving, stamping, or with a S.S. weld bead. Grind off diamond pattern before forming letters. See System Identification Detail.
10. See the Standard Specifications for alternative reinforcement and class of concrete.
11. Capacity ~ conduit diameter = 24"



- ① Equipment grounding conductor
- ② Copper split bolt clamp
- ③ Equipment bonding jumper ~ see note 8
- ④ Foundation



EXPIRES AUGUST 9, 2007

STANDARD DUTY JUNCTION  
BOX TYPES 7 & 8

STANDARD PLAN J-11c

SHEET 1 OF 2 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso 06-21-06

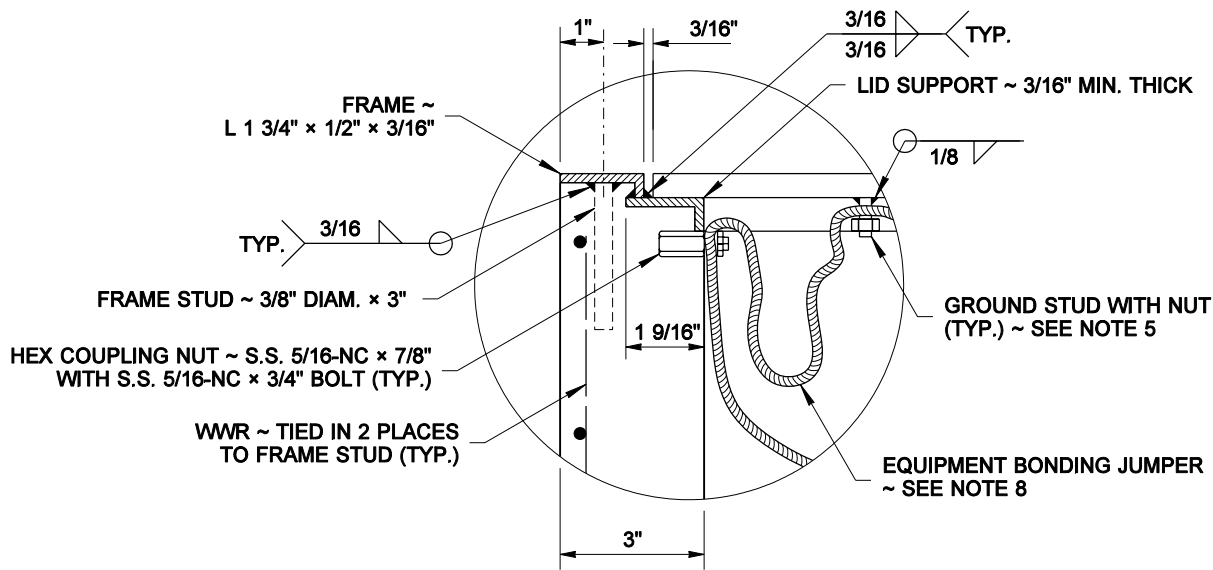
STATE DESIGN ENGINEER

DATE

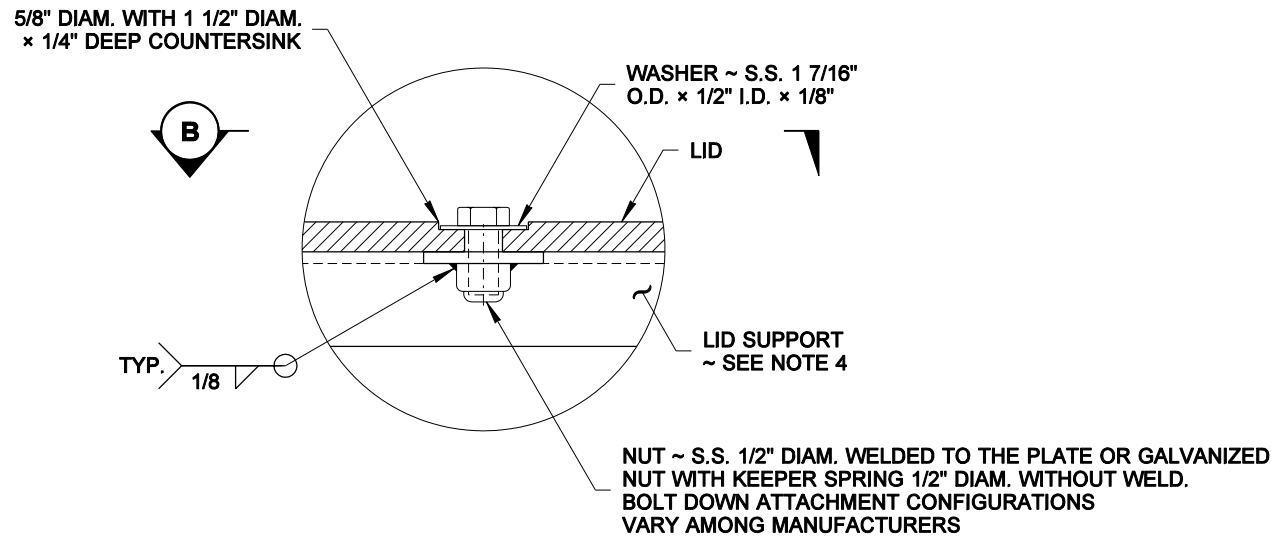


Washington State Department of Transportation

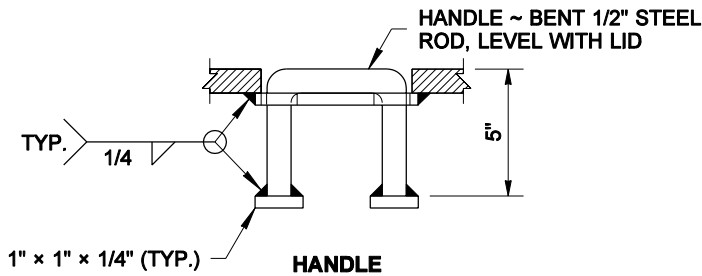
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DETAIL "A"

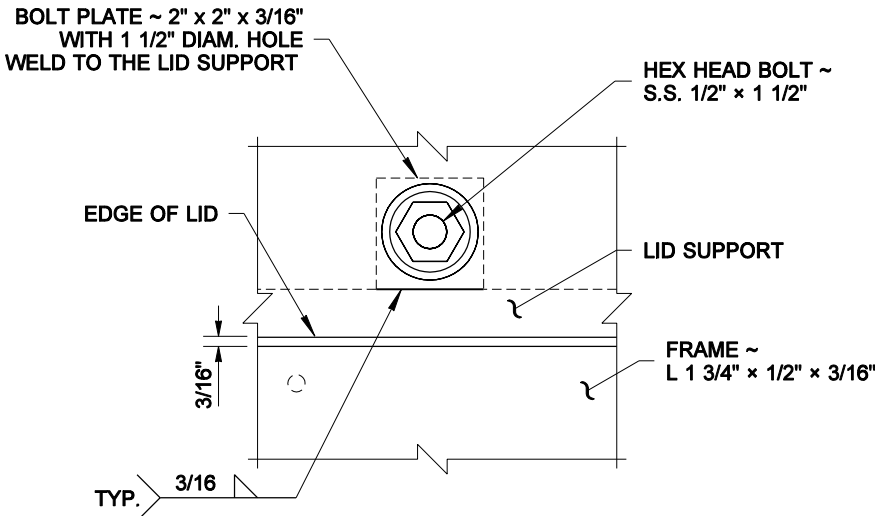
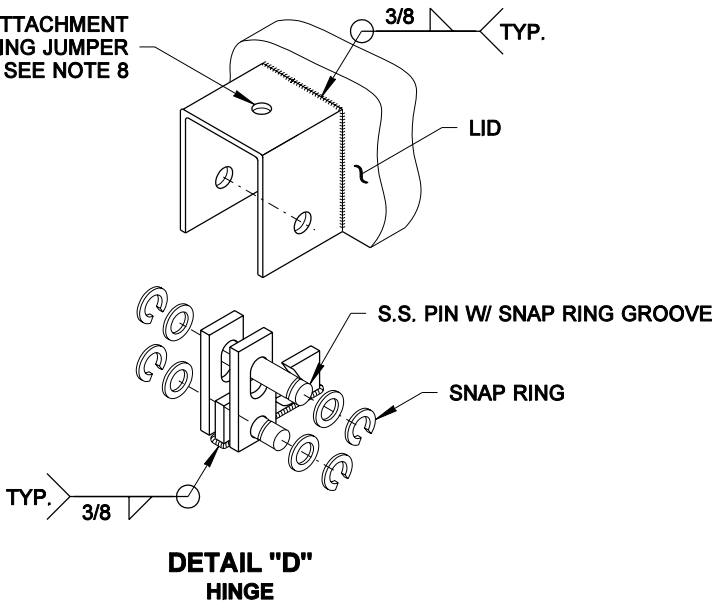


DETAIL "B"  
LOCKING BOLT  
OMIT FOR TYPE 7

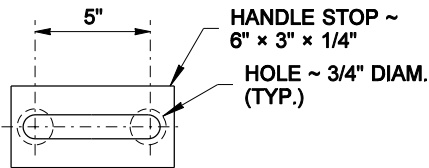


DETAIL "C"

ALTERNATE LOCATION FOR ATTACHMENT  
OF EQUIPMENT BONDING JUMPER  
~ SEE NOTE 8

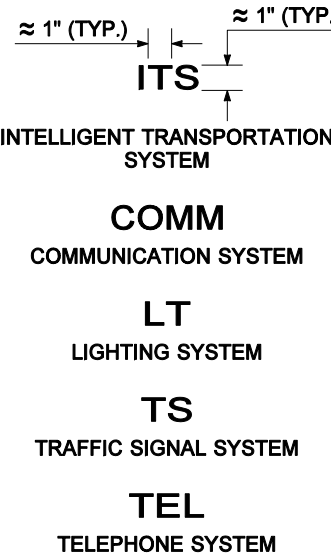


VIEW (B)



TOP VIEW

SYSTEM IDENTIFICATION  
DETAIL



EXPIRES AUGUST 9, 2007

STANDARD DUTY JUNCTION  
BOX TYPES 7 & 8

STANDARD PLAN J-11c

SHEET 2 OF 2 SHEETS

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